

TOOL SAFETY – TEST -A

EMPLOYEE NAME _____ DATE: _____

This is an “Open Book” test. You should refer to the Tool Safety information available on the Safety Webpage.

Select the choice that best answers each of the following questions.

20 Questions (6 pages)

Passing Score: 70% (14 or more correct; up to 6 incorrect allowed)

1. Which of the following is NOT a cause of injury when using a hand or power tool?
 - A. Failure to wear proper personal protective equipment
 - B. Using the tool in a different way than intended
 - C. Exceeding the tool’s capability
 - D. Selecting the right tool for the job

2. Which of the following statements is correct about you wearing gloves when using a power tool?
 - A. Always wear gloves when using a power tool
 - B. Never wear gloves when using a power tool
 - C. Do not wear gloves when there is the probability it can get caught in a moving part when using a power tool
 - D. You may elect to not wearing gloves when it is hot while using a power tool

3. True or False? Having the right screwdriver means selecting the proper type and size of bit to fit the slot in the screw head or else there is a good chance of stripping the screw’s head.
 - A. True
 - B. False

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4. True or False? Pliers and wrenches are meant to grip and turn, and can be struck or have an extender attached for greater leverage.

- A. True
- B. False

5. When working live on an electrical circuit (i.e., still energized and using Live Work procedures) which of the following tools should be used?



6. Is this chisel damaged and should it be used?



- A. It is natural for a chisel to get ballooning of the head and is OK to be used.
- B. It is natural for a chisel to get mushrooming of the head and is OK to be used.
- C. The cutting tip of this chisel needs to be re-sharpened with a grinding wheel.
- D. The head of this chisel has mushroom damage and should no longer be used.

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7. Which of the following is NOT a correct / safe work method to secure your work when using a tool?
- A. Hold your work with one hand to secure your work while operating your hand or power tool with your other hand.
 - B. Use a workbench vice to secure your work to allow you to use both hands to control your power tool.
 - C. Use clamps to secure your work to allow you to use both hands to control your power tool.
 - D. Use jigs to secure your work to allow you to use both hands to control your power tool.
8. Eye protection (safety glasses or goggles and/or face shields) are especially important to use with power tools because of the potential for _____.
- A. Electrical shock
 - B. Loss of control of the power tool
 - C. Flying particles from striking or grinding or tool damage
 - D. Scrapes, cuts and abrasions
9. As some power tools can be extremely loud, it is recommended that you wear what type of personal protective equipment?
- A. Ear muffs and/or ear plugs
 - B. Dust mask
 - C. Safety glasses
 - D. Cloth work gloves

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10. Which of the following is NOT a correct / safe work method to protect yourself when using a power tool such as a saw, sander, router or planer?
- A. Use a dust collection attachment for the power tool or a vacuum at the point of operation.
 - B. Wear a respirator.
 - C. Keep your work area clean by using a hand brush, broom and/or vacuum cleaner.
 - D. Clean your work piece as you work
11. Which of the following is a correct / safe work method to protect from getting something or you getting caught when using a power tool?
- A. Long hair and loose clothing need to be secured.
 - B. Jewelry such as chains, necklaces and rings should not be worn.
 - C. Lanyards for ID badges or glasses should have a break-away connector.
 - D. All of the above
12. True or False? A “ring test” is used to test a circular saw blade to ensure there are no cracks or defects.
- A. True
 - B. False
13. True or False? Because the wheel on a grinder gets smaller after use, the work rest has to be continually adjusted so there is no more than one-eighth of an inch (1/8”) between the wheel and the work to prevent the work from getting caught and possibly becoming a projectile or causing damage to the wheel.
- A. True
 - B. False

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14. What part of any power tool is designed to protect you from rotating parts, blades, pinch points, etc. and should never be defeated?
- A. Grounding prong on the power plug
 - B. Double insulation
 - C. Safety guards
 - D. Cutoff switch
15. Which of the following does NOT apply when operating a table saw?
- A. Anchor your hand along the rip fence or table edge
 - B. Use a Push Stick to pass the work through the cutting blade, especially small pieces
 - C. Use a splitter/spreader and anti-kickback fingers
 - D. Remove the chuck key after securing the saw blade to the spindle
16. Clearing away chips and other debris from your work area can be done using compressed air as long as the compressed air pressure is reduced by using a nozzle that restricts to less than ____ psi and the nozzle has a chip guard. The employee should also wear safety goggles.
- A. 10
 - B. 30
 - C. 100
 - D. Cleaning yourself or your work area with compressed air of any pressure is prohibited
17. True or False? Treat a powder actuated tool with the same respect as a loaded gun; never point one at yourself or anyone else whether it is loaded or not.
- A. True
 - B. False

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18. When using a powder actuated tool, to prevent “shooting” a fastener through the work, you should _____.

- A. Use a Spall Shield
- B. Put a backing material behind your work piece
- C. Test depth of penetration starting with the least powerful powder load
- D. Perform a Thickness Classification Test

19. When a powder actuated tool misfires the proper action is to _____.

- A. Immediately remove the cartridge and place in water
- B. Hold the tool in place for 30 seconds and try firing again; if it misfires again, hold in place for another 30 seconds then remove the cartridge and place in water
- C. Hold the tool in place for 10 seconds and try firing again; if it misfires again remove the cartridge and place in water
- D. Remove the cartridge and return all misfires to the manufacturer for a refund

20. Examine each tool before and after use and, if damaged, _____.

- A. Do not use a damaged tool so remove it from service
- B. Repair, as needed
- C. Replace, as needed
- D. All of the above

REMINDER: Turn this completed test into the Safety Office for grading and to receive credit for the course, Tool Safety. Safety will inform you of your test results.